


Engineer: Kevin Ball	Date: 8/15/05	 JPS Communications 5800 Departure Drive, Raleigh, NC 27616			
Drawn: Kevin Ball	Date: 8/15/05				
Approved: Chris Samios	Date: 8/15/05	Title: ACU RADIO APPLICATION NOTES			
Issued/ Revised	Date: 9/15/05	Size:	Dwg. #: 5961-291300-APP	Rev: A1	Sheet: 1 Of 1

APPLIES TO:

Motorola 280I Cell Phone
Iridium Motorola 9505 Portable Satellite Phone

RADIO MODIFICATIONS:

None required.

RADIO PROGRAMMING:

None required.

RADIO CONTROLS:

1. Turn the handset volume to maximum as indicated on the indicator bar. (Motorola 280I & V55)
2. Turn the handset volume to midrange as indicated on the indicator bar. (Iridium Motorola 9505)

CABLING:

ACU-1000 Interface Top Level Assembly	JPS P/N 5961-291300
ACU-1000 Interface Cable	JPS P/N 5961-291299-00
ACU-1000 Extension Cable	JPS P/N 5961-291266-00

ACU-T Interface Top Level Assembly	JPS P/N
ACU-T Interface Cable	JPS P/N
ACU-T Extension Cable	JPS P/N

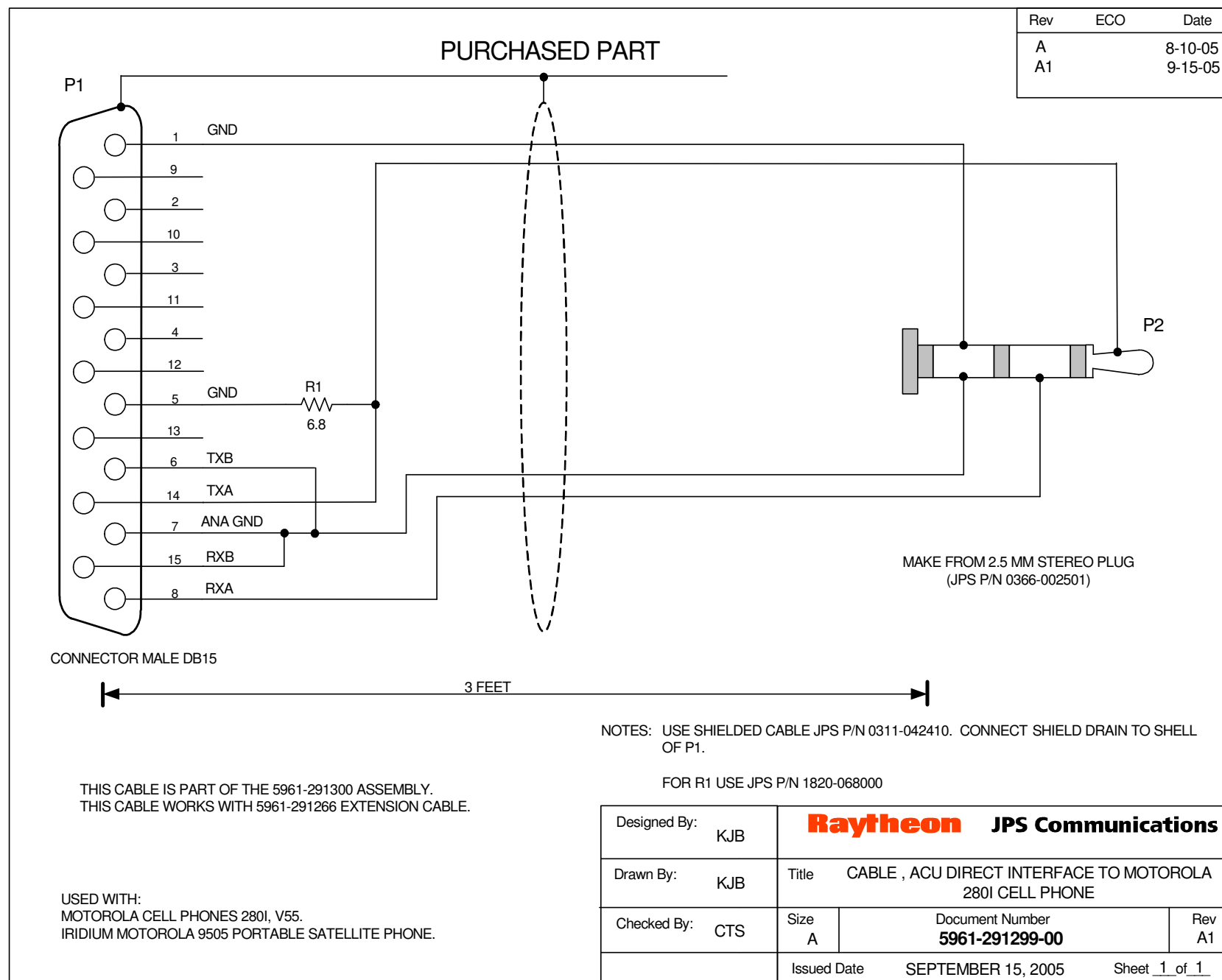
DSP PROGRAMMING:

RX Level	7	-16dBm
TX Level	6*	0dBm*
Squelch Type	VOX*	
COR Polarity	Active Low*	
High Frequency Equalizer	4*	Flat*
RX Audio Delay	2*	100 ms*
TX Audio Delay (Radio Type)	0*	No Delay*
Noise Reduction Value	0*	Off*
VOX/VMR Threshold	1*	Med1*
VOX/VMR Hang Time	3*	775 ms*
COR Inhibit After PTT	1*	100 ms*
DUPLEX	0*	Half*
All Others	As needed	

(* Indicates Default Value)

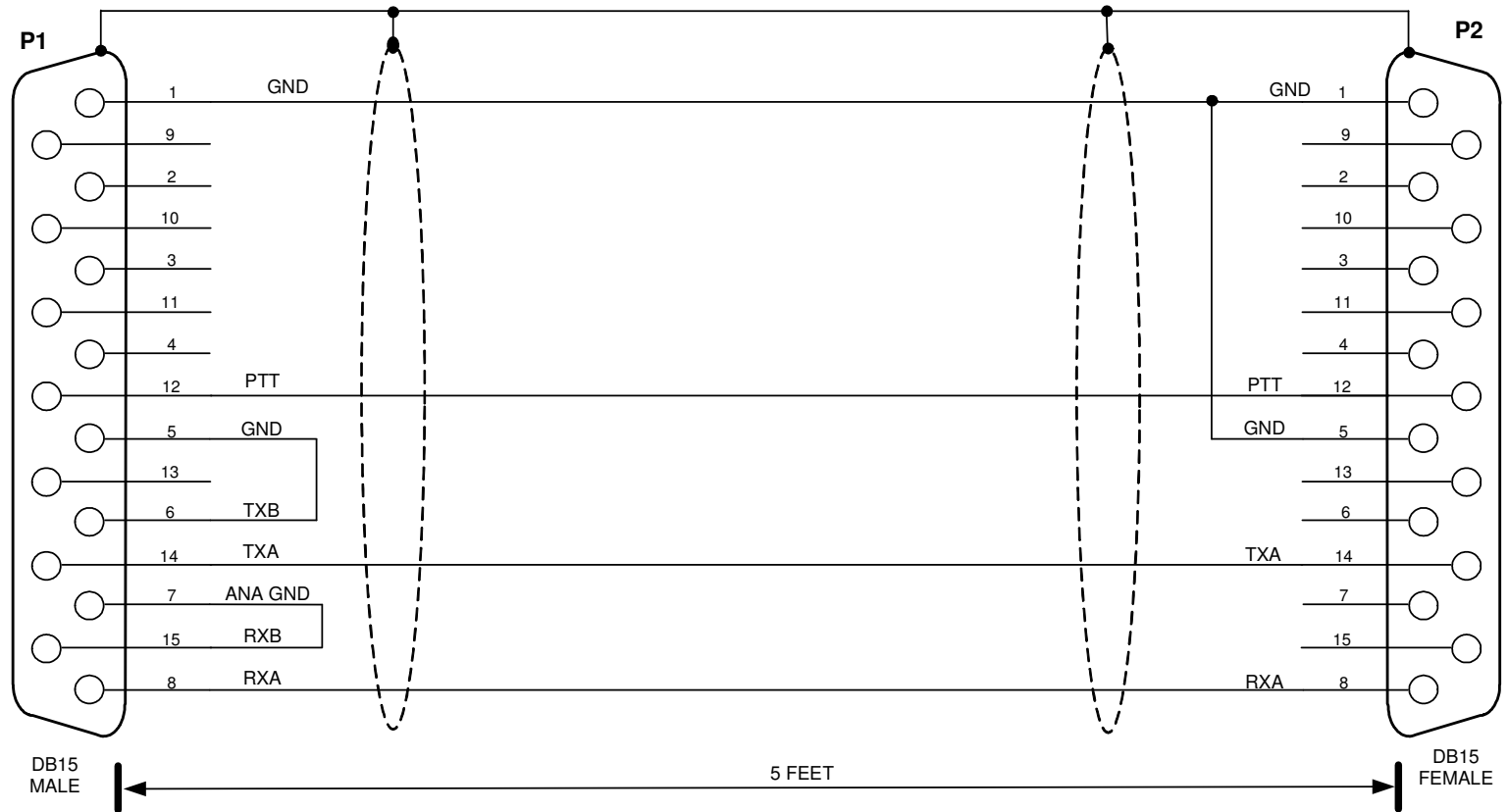
NOTES:

None.



PURCHASED PART

Rev	ECO	Date
A		



NOTE: USE SHIELDED CABLE JPS P/N 0311-042410. CONNECT SHIELD DRAIN TO SHELL OF P1 AND SHELL OF P2. USE JACK SCREWS ON P2.

INCLUDED ON:
 NEXTEL i90 DIRECT KIT JPS P/N 5961-291267
 NEXTEL i305 DIRECT KIT JPS P/N 5961-291270
 USED WITH:
 ACU-1000 TO i90 DIRECT CABLE JPS P/N 5961-291263-00
 ACU-1000 TO i305 DIRECT CABLE JPS P/N 5961-291269-00

Designed By: Chris Samios	Raytheon JPS Communications		
Drawn By: Bruce Page	Title Cable, ACU Extension to Nextel i90 Family Direct Connect		
Checked By: Chris Samios	Size A	Document Number 5961-291266-00	Rev B
File Name: 5961-291266-00.VSD	Issued Date MARCH 9, 2004	Sheet <u>1</u> of <u>1</u>	